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SECTION 1  
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PRODUCT IDENTIFIER        SZM020517            ROCKET DRY ENAMEL - BLACK 517  
DATE OF PREPARATION       MAY 18, 2004  
PRODUCT USE                PROTECTIVE COATING

MANUFACTURED BY:    ICI PAINTS NORTH AMERICA, 925 EUCLID AVENUE,  
                         CLEVELAND , OHIO 44115, U.S.A.  
                         ICI PAINTS (CANADA), 8200 KEELE STREET,  
                         CONCORD, ONTARIO L4K 2A5, CANADA.

EMERGENCY AND MSDS TELEPHONE NUMBER:  
                         1-800-545-2643

MSDS PREPARED BY:    PRODUCT SAFETY AND TOXICOLOGY DEPARTMENT  
                         ICI PAINTS NORTH AMERICA

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS  
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	INGREDIENT	WT. %:
CHEMICAL NAME	VINYL TOLUENE ALKYD COPOLYMER	40-50
COMMON NAME :	ALKYD RESIN	
CAS NUMBER:	CONFIDENTIAL	
CHEMICAL NAME	BENZENE, ETHYL-	1-5
COMMON NAME :	ETHYLBENZENE	
CAS NUMBER:	100-41-4	
CHEMICAL NAME	BENZENE, DIMETHYL-	5-10
COMMON NAME :	XYLENE	
CAS NUMBER:	1330-20-7	
CHEMICAL NAME	CARBON BLACK	1-5
COMMON NAME :	CARBON BLACK	
CAS NUMBER:	1333-86-4	
CHEMICAL NAME	SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	40-50
COMMON NAME :	LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)	
CAS NUMBER:	64742-89-8	

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SECTION 3: HAZARDS IDENTIFICATION  
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## PRIMARY ROUTE(S) OF EXPOSURE

INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.

## EFFECTS OF OVEREXPOSURE

## INHALATION

PROLONGED INHALATION MAY LEAD TO LOSS OF APPETITE, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, BLURRED VISION, COUGHING, DIFFICULTY WITH SPEECH, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, TIGHTNESS OF CHEST, ANESTHETIC EFFECT OR NARCOSIS, DIFFICULTY OF BREATHING, TREMORS, LIVER DAMAGE, KIDNEY DAMAGE, LOSS OF CONSCIOUSNESS, RESPIRATORY FAILURE, ASPHYXIATION, DEATH.

## SKIN CONTACT

IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING, BLISTERING.

## EYE CONTACT

IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE CONJUNCTIVITIS, BLURRED VISION, TEARING OF EYES, REDNESS OF EYES, SEVERE EYE IRRITATION.

## INGESTION

INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, DIFFICULTY OF BREATHING, LIVER DAMAGE, KIDNEY DAMAGE, PULMONARY EDEMA.

## MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

EYE, SKIN, RESPIRATORY DISORDERS, ASTHMA-LIKE CONDITIONS, KIDNEY DISORDERS.

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SECTION 4: FIRST-AID MEASURES  
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INHALATION REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING.  
GET EMERGENCY MEDICAL ATTENTION.  
HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY.  
REMOVE TO FRESH AIR IF INHALATION CAUSES EYE WATERING, HEADACHES, DIZZINESS, OR OTHER DISCOMFORT.

SKIN CONTACT WASH THOROUGHLY WITH SOAP AND WATER. IF ANY PRODUCT REMAINS, GENTLY RUB PETROLEUM JELLY, VEGETABLE OR MINERAL/BABY OIL ONTO SKIN. REPEATED APPLICATIONS MAY BE NEEDED. REMOVE CONTAMINATED CLOTHING.  
WASH CONTAMINATED CLOTHING BEFORE RE-USE.

EYE CONTACT FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.

INGESTION IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

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SECTION 5: FIRE-FIGHTING MEASURES  
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FLASH POINT (SETA) 80 F./ 27 C. LOWER EXPLOSIVE LIMIT 1.1 (%)  
UPPER EXPLOSIVE LIMIT 7.0 (%)

FIRE EXTINGUISHING MEDIA  
DRY CHEMICAL OR FOAM  
WATER FOG.  
CARBON DIOXIDE.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE.  
VAPORS MAY IGNITE EXPLOSIVELY AT AMBIENT TEMPERATURES.  
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK.  
VAPORS CAN FORM EXPLOSIVE MIXTURES IN AIR AT ELEVATED TEMPERATURES.  
CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR

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## SECTION 5: FIRE-FIGHTING MEASURES

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### FIRE.

MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

### FIRE FIGHTING PROCEDURES

WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS. FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.

### HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE, TOXIC GASES.

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS.

ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA.

VENTILATE AREA WITH EXPLOSION-PROOF EQUIPMENT. SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS. USE NON-SPARKING TOOLS. EVACUATE ALL UNNECESSARY PERSONNEL. PLACE COLLECTED MATERIAL IN PROPER CONTAINER.

COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING CLEANUP.

LARGE SPILLS - SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.

SMALL SPILLS - USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE OF PROPERLY.

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SECTION 7 HANDLING AND STORAGE  
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## HANDLING AND STORAGE

STORE BELOW 80F.

STORE IN ORIGINAL CONTAINERS. ISOLATED STORAGE IS DESIRABLE.  
KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

OTHER PRECAUTIONS USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.  
KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING.  
KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.  
AVOID CONDITIONS WHICH RESULT IN FORMATION OF INHALABLE PARTICLES SUCH AS SPRAYING OR ABRADING (SANDING) PAINTED SURFACES. IF SUCH CONDITIONS CANNOT BE AVOIDED, USE APPROPRIATE RESPIRATORY PROTECTION AS DIRECTED UNDER EXPOSURE CONTROLS/PERSONAL PROTECTION.  
EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.  
GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
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COMMON NAME : ETHYLBENZENE

CAS NUMBER: 100-41-4

ACGIH(TWA): 100 PPM

OSHA(TWA): 100 PPM

ACGIH(STEL): 125 PPM

COMMON NAME : XYLENE

CAS NUMBER: 1330-20-7

ACGIH(TWA): 100 PPM

OSHA(TWA): 100 PPM

ACGIH(STEL): 150 PPM

COMMON NAME : CARBON BLACK

CAS NUMBER: 1333-86-4

ACGIH(TWA): 3.5 MG/M3

OSHA(TWA): 3.5 MG/M3

COMMON NAME : LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)

CAS NUMBER: 64742-89-8

OSHA(TWA): 300 PPM

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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## RESPIRATORY PROTECTION

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A NIOSH/MSHA (CANADIAN Z94.4) APPROVED ELASTOMERIC SEALING-SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAPOR CARTRIDGES AND PAINT SPRAY (DUST/MIST) PREFILTERS. DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING APPROPRIATE AIR MONITORING. CONSULT 29CFR1910.134 FOR SELECTION OF RESPIRATORS (CANADIAN Z94.4).

## VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS.  
USE EXPLOSION-PROOF EQUIPMENT. USE NON-SPARKING EQUIPMENT.

## PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.  
IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING, APRON, BOOTS.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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VAPOR PRESSURE:	NOT AVAILABLE	SPECIFIC GRAVITY:	.908
BOILING RANGE (F/C):	148-293/ 64-145	WEIGHT PER GALLON:	7.56/ 9.08IMP
%VOLATILE BY VOLUME:	57.57		
PHYSICAL STATE:	LIQUID	APPEARANCE	BLACK
SOLUBILITY IN WATER:	NOT AVAILABLE	PH:	NOT AVAILABLE

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SECTION 10: STABILITY AND REACTIVITY

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## UNDER NORMAL CONDITIONS

STABLE

SEE SECTION 5 FIRE FIGHTING MEASURES

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SECTION 10: STABILITY AND REACTIVITY  
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## MATERIALS TO AVOID

OXIDIZERS, ACIDS, BASES, AMINES, NITRIC ACID.  
NITRATES.

## CONDITIONS TO AVOID

ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, SPARKS,  
OPEN FLAME, IGNITION SOURCES.

## HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

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SECTION 11: TOXICOLOGICAL INFORMATION  
-----COMMON NAME : ALKYD RESIN  
CAS NUMBER: CONFIDENTIAL

CARCINOGENICITY LISTED BY: NTP NO

IARC NO

OSHA NO

ACGIH NO

COMMON NAME : ETHYLBENZENE

CAS NUMBER: 100-41-4

CARCINOGENICITY LISTED BY: NTP NO

IARC YES 2B

OSHA NO

ACGIH YES A3

LD50: 3500.00 MG/KG ORL RAT

LD50: 2272.00 MG/KG IPR MOU

LD50: 17.80 GM/KG SKN RBT

COMMON NAME : XYLENE

CAS NUMBER: 1330-20-7

CARCINOGENICITY LISTED BY: NTP NO

IARC NO

OSHA NO

ACGIH NO

LD50: &gt;1700.00 MG/KG SKN RBT

LD50: 4300.00 MG/KG ORL RAT

LC50: 5000.00 PPM/4HR IHL RAT

COMMON NAME : CARBON BLACK

CAS NUMBER: 1333-86-4

CARCINOGENICITY LISTED BY: NTP NO

IARC YES 2B

OSHA NO

ACGIH NO

LD50: &gt; 10.00 GM/KG ORL RAT

COMMON NAME : LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)

CAS NUMBER: 64742-89-8

CARCINOGENICITY LISTED BY: NTP NO

IARC NO

OSHA NO

ACGIH NO

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SECTION 11: TOXICOLOGICAL INFORMATION  
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LD50:> 3.16 GM/KG SKN RBT  
LD50:> 5.00 GM/KG ORL RAT

## SUPPLEMENTAL HEALTH INFORMATION

CONTAINS A CHEMICAL THAT IS MODERATELY TOXIC BY INGESTION.  
CONTAINS A CHEMICAL THAT MAY BE ABSORBED THROUGH SKIN.  
NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED  
OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN  
AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY  
DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS  
MAY BE HARMFUL OR FATAL.  
OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE TOXICITY TO LIVER,  
KIDNEY, LUNGS, CENTRAL NERVOUS SYSTEM, BLOOD.

## CARCINOGENICITY

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS  
CLASSIFIED CARBON BLACK AS POSSIBLY CARCINOGENIC TO HUMANS  
(GROUP 2B) BASED ON SUFFICIENT EVIDENCE IN ANIMALS AND  
INADEQUATE EVIDENCE IN HUMANS.  
THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS  
EVALUATED ETHYLBENZENE AND CLASSIFIED IT AS A POSSIBLE HUMAN  
CARCINOGEN (GROUP 2B) BASED ON SUFFICIENT EVIDENCE FOR  
CARCINOGENICITY IN EXPERIMENTAL ANIMALS, BUT INADEQUATE  
EVIDENCE FOR CANCER IN EXPOSED HUMANS.  
IN A 2 YEAR INHALATION STUDY CONDUCTED BY THE NATIONAL  
TOXICOLOGY PROGRAM (NTP), ETHYLBENZENE VAPOR AT 750 PPM  
PRODUCED KIDNEY AND TESTICULAR TUMORS IN RATS AND LUNG  
AND LIVER TUMORS IN MICE. GENETIC TOXICITY STUDIES  
SHOWED NO GENOTOXIC EFFECTS. THE RELEVANCE OF THESE  
RESULTS TO HUMANS IS NOT KNOWN.

## REPRODUCTIVE EFFECTS

HIGH EXPOSURES TO XYLENE IN SOME ANIMAL STUDIES, OFTEN AT  
MATERNALLY TOXIC LEVELS, HAVE AFFECTED EMBRYO/FETAL  
DEVELOPMENT. THE SIGNIFICANCE OF THIS FINDING TO HUMANS IS  
NOT KNOWN.



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SECTION 11: TOXICOLOGICAL INFORMATION  
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MUTAGENICITY NO MUTAGENIC EFFECTS ARE ANTICIPATED  
TERATOGENICITY NO TERATOGENIC EFFECTS ARE ANTICIPATED

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SECTION 12: ECOLOGICAL INFORMATION  
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NO ECOLOGICAL TESTING HAS BEEN DONE BY ICI PAINTS ON THIS  
PRODUCT AS A WHOLE.

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SECTION 13: DISPOSAL CONSIDERATIONS  
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WASTE DISPOSAL DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.  
AVOID DISCHARGE TO NATURAL WATERS.

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SECTION 14: TRANSPORT INFORMATION  
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DOT PAINT, 3, UN1263, PGIII  
IMDG PAINT, CLASS 3, UN1263, PGIII, LIMITED QUANTITY  
IATA NOT AVAILABLE  
TDG NOT AVAILABLE

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SECTION 15: REGULATORY INFORMATION  
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		SARA 302	SARA 313	CERCLA 302.4	HAZ POLLUTANT	AIR	MARINE POLINT
AS NUMBER:	100-41-4	NO	YES	YES	YES		NO
COMMON NAME :	ETHYLBENZENE						
AS NUMBER:	1330-20-7	NO	YES	YES	YES		NO
COMMON NAME :	XYLENE						

AS OF THE DATE OF THIS MSDS, ALL OF THE COMPONENTS IN THIS

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**SECTION 15: REGULATORY INFORMATION**

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PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING) ON THE TSCA INVENTORY. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

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**SECTION 16: OTHER INFORMATION**

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THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE AT THE TIME OF PREPARATION OF THIS DATA SHEET AND WHICH ICI PAINTS BELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA. ICI PAINTS SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS INFORMATION, OR OF ANY PRODUCT, METHOD OR APPARATUS MENTIONED AND YOU MUST MAKE YOUR OWN DETERMINATION OF ITS SUITABILITY AND COMPLETENESS FOR YOUR OWN USE, FOR THE PROTECTION OF THE ENVIRONMENT, AND THE HEALTH AND SAFETY OF YOUR EMPLOYEES AND USERS OF THIS MATERIAL. COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200.